Edward H Adelson

List of Publications by Year
in descending order

30 papers	9,854 citations	304368 22 h-index	610482 24 g-index
30 all docs	30 docs citations	30 times ranked	4263 citing authors

#	Article	IF	Citations
1	Active Clothing Material Perception Using Tactile Sensing and Deep Learning. , 2018, , .		66
2	GelSight: High-Resolution Robot Tactile Sensors for Estimating Geometry and Force. Sensors, 2017, 17, 2762.	2.1	470
3	Visual wetness perception based on image color statistics. Journal of Vision, 2017, 17, 7.	0.1	35
4	On the appearance of translucent edges. , 2015, , .		23
5	Discovering states and transformations in image collections. , 2015, , .		95
6	Accuracy and speed of material categorization in real-world images. Journal of Vision, 2014, 14, 12-12.	0.1	104
7	Recognizing Materials Using Perceptually Inspired Features. International Journal of Computer Vision, 2013, 103, 348-371.	10.9	133
8	Understanding the role of phase function in translucent appearance. ACM Transactions on Graphics, 2013, 32, 1-19.	4.9	62
9	Exploring features in a Bayesian framework for material recognition. , 2010, , .		162
10	Image statistics for surface reflectance perception. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 846.	0.8	104
11	Image statistics and surface perception. , 2008, , .		10
12	Image statistics and the perception of surface qualities. Nature, 2007, 447, 206-209.	13.7	531
13	Junctions and cost functions in motion interpretation. Journal of Vision, 2004, 4, 3.	0.1	11
14	The geometry of the occluding contour and its effect on motion interpretation. Journal of Vision, 2004, 4, 9.	0.1	27
15	Specular reflections and the perception of shape. Journal of Vision, 2004, 4, 10.	0.1	249
16	Statistical characterization of real-world illumination. Journal of Vision, 2004, 4, 11.	0.1	115
17	Real-world illumination and the perception of surface reflectance properties. Journal of Vision, 2003, 3, 3.	0.1	351
18	Motion illusions as optimal percepts. Nature Neuroscience, 2002, 5, 598-604.	7.1	865

#	Article	IF	Citations
19	Motion illusions as optimal percepts. Nature Neuroscience, 2002, 5, 598-604.	7.1	253
20	Beyond Junctions: Nonlocal form Constraints on Motion Interpretation. Perception, 2001, 30, 905-923.	0.5	57
21	‹title›On seeing stuff: the perception of materials by humans and machines‹/title›. , 2001, , .		181
22	Adventures with Gelatinous Ellipsesâ€"Constraints on Models of Human Motion Analysis. Perception, 2000, 29, 543-566.	0.5	64
23	Perceptual organization and the judgment of brightness. Science, 1993, 262, 2042-2044.	6.0	550
24	Directionally selective complex cells and the computation of motion energy in cat visual cortex. Vision Research, 1992, 32, 203-218.	0.7	300
25	Early vision and texture perception. Nature, 1988, 333, 363-364.	13.7	312
26	Spatiotemporal energy models for the perception of motion. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1985, 2, 284.	0.8	2,932
27	The Analysis of Moving Visual Patterns. Experimental Brain Research Supplementum, 1985, , 117-151.	1.0	556
28	Saturation and adaptation in the rod system. Vision Research, 1982, 22, 1299-1312.	0.7	146
29	The delayed rod afterimage. Vision Research, 1982, 22, 1313-1328.	0.7	22
30	Phenomenal coherence of moving visual patterns. Nature, 1982, 300, 523-525.	13.7	1,068